

Bibliographic Information

1,4-Dithiaanthraquinones. Kobayashi, Masaji; Akioyama, Ukichi; Hirano, Masaya. (Sanwa Chemical Industry Co., Ltd.). Jpn. Tokkyo Koho (1969), 2 pp. CODEN: JAXXAD JP 44029464 19691201 Showa. Patent written in Japanese. Application: JP 19660702. CAN 72:90481 AN 1970:90481 CAPLUS (Copyright (C) 2006 ACS on SciFinder (R))

Patent Family Information

| <u>Patent No.</u> | <u>Kind</u> | <u>Date</u> | <u>Application No.</u> | <u>Date</u> |
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Abstract

A mixt. of dibromosuccinic anhydride 25, 1,2-dicyano-1,2-dimercaptoethylene di-Na salt 18, Me₂CO 100, and Bz₂O₂ 0.5 part is stirred 10 hr at room temp. then warmed 1 hr at 50-5° to give I 21 parts I, m. 185-90°. I is condensed with 200 parts C₆H₆ in the presence of 23 parts AlCl₃ to give 25 parts II, m. 198-205°. II is stirred 3 hr with 25 parts polyphosphoric acid and 25 parts AcOH and warmed 1 hr at 50° to give 91% III, m. 218-20° (AcOEt), a bactericide.